

REMARKS

Applicant respectfully requests reconsideration of this application. Claims 1-13 are pending. Claim 1 has been amended. No claims have been cancelled. Claims 14-22 have added. Therefore, claims 1-22 are now presented for examination.

Claim Rejection under 35 U.S.C. §102

Venkateshwaran et al.

The Examiner rejected claims 1-3 and 5-7 under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,339,254 of Venkateshwaran et al. ("Venkateshwaran").

Claim 1, as amended herein, includes "a monolithic element comprising solidified resin, the monolithic element resulting from a single molding process". It is submitted that such element is not provided in Venkateshwaran.

Venkateshwaran indicates that "stress reduction is further assured by the presence of a filled thermosetting plastic compound generically referred to as 'underfill' 410 which surrounds the bumps and absorbs some stresses arising from thermal mismatch."

(Venkateshwaran, col. 4, lines 31-34) Further, Venkateshwaran provides that "[t]he cavity formed by multiple interconnection levels on the package perimeter is typically filled with a filled epoxy 622, and a heat spreader (not shown) may be attached to the substrate surface opposite the flip-chip assemblage." (Venkateshwaran, col. 6, lines 16-20) Venkateshwaran provides no indication that the underfill results from a single molding process.

In addition to other differences, claims 2-3 and 5-7 are dependent on claim 1, and are allowable because such claims are dependent on the allowable base claim.

Claim Rejection under 35 U.S.C. §103

Venkateshwaran et al. in view of Chia et al. and Kaminaga et al.

The Examiner rejected claim 4 under 35 U.S.C. 103(a) as being unpatentable over Venkateshwaran in view of U.S. Patent 6,081,997 of Chia et al. ("Chia") and U.S. Patent 6,321,734 of Kaminaga et al. ("Kaminaga").

In addition to other differences, claim 4 is dependent on claim 1, and is allowable because it is dependent on the allowable base claim.

Claim Rejection under 35 U.S.C. §103

Venkateshwaran et al. in view of Baba et al.

The Examiner rejected claim 8 under 35 U.S.C. 103(a) as being unpatentable over Venkateshwaran in view of U.S. Patent 6,071,755 of Baba et al. ("Baba").

In addition to other differences, claim 8 is dependent on claim 1, and is allowable because it is dependent on the allowable base claim.

Claim Rejection under 35 U.S.C. §103

Venkateshwaran et al. in view of Baba et al.

The Examiner rejected claim 10 under 35 U.S.C. 103(a) as being unpatentable over Venkateshwaran in view of Baba as applied to claim 8 and further in view of alleged admitted prior art.

In addition to other differences, claim 10 is dependent on claim 1, and is allowable because it is dependent on the allowable base claim.

Claim Rejection under 35 U.S.C. §103

Venkateshwaran et al. in view Baba et al.

The Examiner rejected claim 9 and 11-13 under 35 U.S.C. 103(a) as being unpatentable over Venkateshwaran in view of Baba.

In addition to other differences, claims 9 and 11-13 are dependent on claim 1, and are allowable because such claims are dependent on the allowable base claim.

Conclusion

Applicant respectfully submits that the rejections have been overcome by the Amendment and Remark, and that the claims are in condition for allowance.

Accordingly, Applicant respectfully requests the rejections be withdrawn and the claims be allowed.

Invitation for a Telephone Interview

The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Request for an Extension of Time

Applicants respectfully petition for a one-month extension of time to respond to the outstanding Office Action pursuant to 37 C.F.R. § 1.136(a). A check in the amount of \$110.00 is enclosed to cover the necessary fee under 37 C.F.R. § 1.17(a) for such an extension.

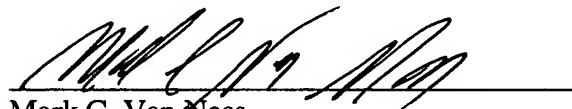
Charge our Deposit Account

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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Date: 7/24/03



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Attorney Docket No: 42390P9482D

Annotated Sheet Showing Changes

Sheet: 1 of 2

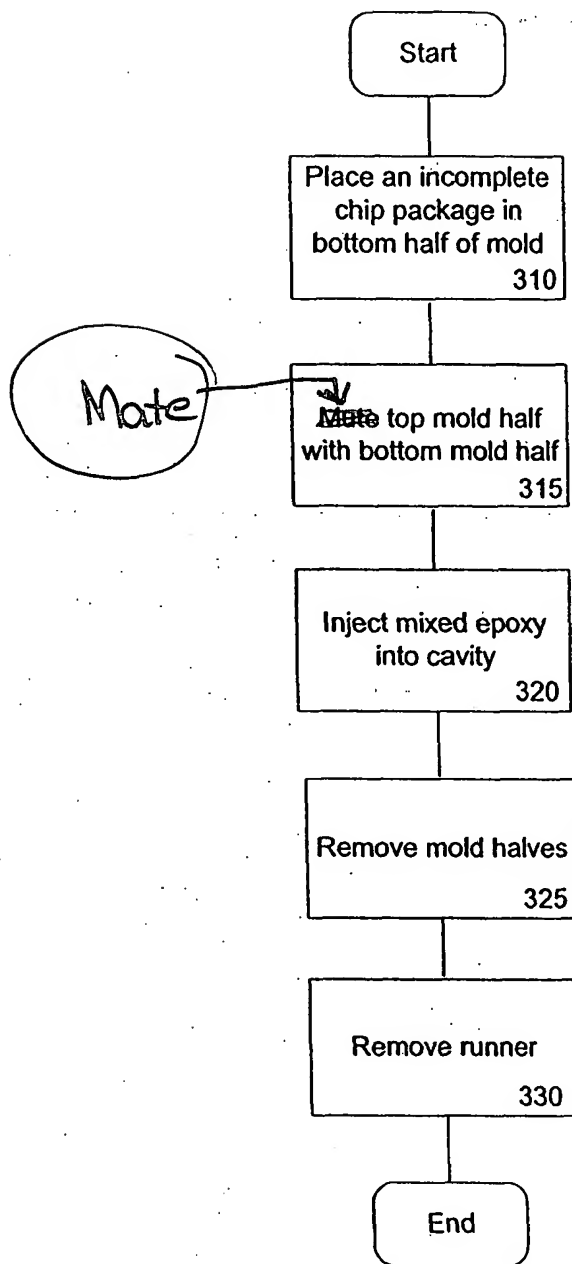


Figure 3